

ABSTRACT

An elevator system for traveling on a rail attached to the outside of a high-rise building. One elevator has a telescopic arm attached for reaching any position on or above the building. The telescopic arm consists of two parts, which are interconnected with a pivoting mechanism. The telescopic arm has a pivot at its end attached to a cramp, ~~with the help of~~ by a vertical rotating mechanism. The cramp is pivoted to an outside platform with a barrier, a cabin is ~~hanged~~ hung onto from the platform and can make a full rotation. The elevator portion has a passenger compartment with sliding doors and a vertical aperture with a staircase connecting with an autonomous rescue elevator. ~~Elastic elements are used for contacting surfaces of the elevator portion and of the autonomous rescue elevator. Elevator portion and the autonomous rescue elevator are provided with compartments for foam, liquids and auxiliary equipment. The passenger compartment has additional control panel. Working surfaces of an H-shaped rail are supplied with guiding slots.~~